

METHOD, SYSTEM, PROGRAM, AND DATA STRUCTURES FOR USING A
DATABASE TO APPLY PATCHES TO A COMPUTER SYSTEM

ABSTRACT

Provided is a method, system, program, and data structure for determining patches to apply to a computer system, wherein the patch includes content to add to the computer. A realization list of realization identifiers corresponds to realizations associated with the computer, wherein each realization defines a state of the computer. A realization database includes realization objects, wherein each realization object is uniquely identified by a realization identifier of one realization and includes a patch list indicating those patches whose installation relates to the computer state defined by the realization. The patch lists are accessed from the realization database for those realization objects whose realization identifiers match the realizations identifiers on the realization list. A determination is made of all the patches on the accessed patch lists. A determination is made from the determined patches on the accessed patch lists those patches that are capable of being installed on the computer.